

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-17. **(Cancelled)**

18. **(Currently Amended)** A method for lining concrete structures comprising:

(a) ~~cleaning~~ preparing a surface of a concrete structure for application of a foam liner material;

(b) applying a foam liner material to said surface of said concrete structure; and

(c) curing said foam liner material to form a surface layer and a barrier layer on said concrete structure.

19. **(Currently Amended)** The method of claim 18, wherein the foam liner material ~~is~~ comprises a polyurea foam.

20. **(Currently Amended)** The method of claim 18, wherein the foam liner material ~~is~~ comprises a polyurethane foam.

21. **(Previously Presented)** The method of claim 18, wherein step (a) further includes the steps of:

(a) pressure washing the surface of the concrete structure; and

(b) heat drying the surface of the concrete structure.

22. **(Previously Presented)** The method of claim 18, wherein said foam liner is applied directly to said surface of said concrete structure.

23. **(Currently Amended)** A method for lining concrete structures comprising:

(a) ~~cleaning~~ preparing a surface of a concrete structure for receipt of a foam material;

(b) applying a foam material directly to said surface of said concrete structure; and

- (c) curing said foam material to result in the formation of a protective liner over said concrete structure.
24. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least two separate layers.
25. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least three separate layers.
26. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner comprised of an inner hard shell, an outer bonding layer and an insulative core between said hard shell and bonding layer.
27. **(Previously Presented)** The method of claim 24, wherein one of said layers provides rigidity and structural integrity to the liner.
28. **(Previously Presented)** The method of claim 24, wherein one of said layers is cellular in structure.
29. **(Previously Presented)** The method of claim 24, wherein one of said layers traps air within its structure to provide an insulating effect by said layer.
30. **(Previously Presented)** The method of claim 24, wherein one of said layers is a bonding layer that bonds the other layer to the surface of the concrete structure.
31. **(Previously Presented)** The method of claim 30, wherein said bonding layer seals the surface of the concrete structure.
32. **(Previously Presented)** The method of claim 25, wherein
- (a) one of said layers provides rigidity and structural integrity to the liner;

- (b) another of said layers is cellular in structure and traps air within a portion of said cells to provide an insulating effect by said layer; and
 - (c) another of said layers is a bonding layer that bonds the other layers to the surface of the concrete structure.
- 33. **(New)** A concrete system comprising:
 - (a) a concrete structure defined by a surface; and
 - (b) a foam material applied directly to said surface of said concrete structure;
 - (c) wherein said foam material has two distinct layers once cured.
- 34. **(New)** The concrete system of claim 33, wherein said foam material has three distinct layers once cured.
- 35. **(New)** The concrete system of claim 33, wherein
 - (a) said first layer is a closed-cell foam and
 - (b) said second layer is a hard, watertight skin.
- 36. **(New)** The concrete system of claim 35, wherein
 - (a) said closed-cell foam is disposed adjacent the surface of the concrete structure and
 - (b) said hard, watertight skin is disposed over said closed-cell foam.
- 37. **(New)** The method of claim 24, wherein
 - (a) said first layer is a closed-cell foam and

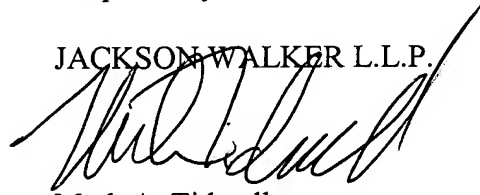
- (b) said second layer is a hard, watertight skin.
38. (New) The method of claim 24, wherein said protective liner comprises:
- (a) a first layer formed of a closed-cell foam and
 - (b) a second layer formed of a hard, watertight shell.
39. (New) The method of claim 38, wherein said first layer is disposed adjacent said surface between said surface and said hard, watertight shell.
40. (New) The method of claim 18, wherein said foam liner material comprises an epoxy.
41. (New) The method of claim 18, wherein said step of preparing comprises cleaning said surface.
42. (New) The method of claim 23, wherein said step of preparing comprises cleaning said surface.

Applicant reasserts the Remarks accompanying the Response filed on May 16, 2005. Such remarks also apply to claims 18, 19, 20 and 23 amended herein and new dependent claims 35 – 42 added herewith.

If the Examiner feels that a telephone conference with the undersigned would be helpful to the allowance of this application, a telephone conference is respectfully requested.

Respectfully submitted,

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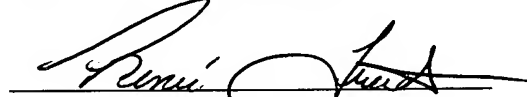
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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service, with sufficient postage as First Class Mail (37 CFR 1.8(a)), in an envelope addressed to Mail Stop Response/No Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

Date: June 29, 2005


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